

FIG. 1 PRIOR ART

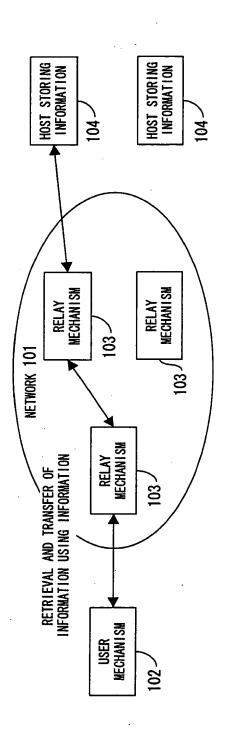
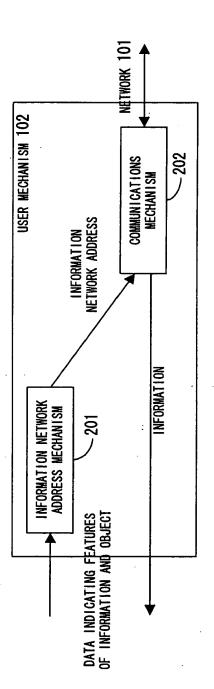


FIG. 2



F I G. 3

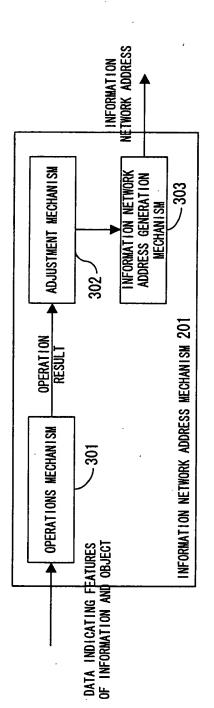


FIG. 4

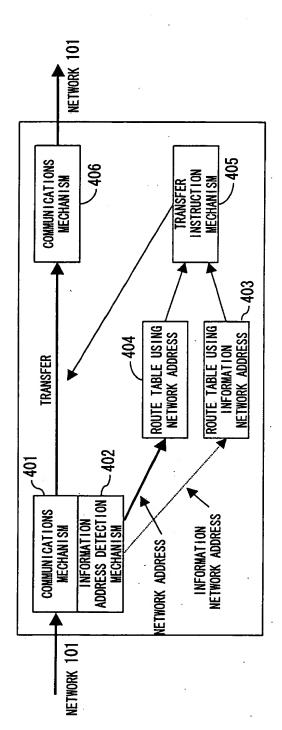


FIG. 5

VERS	HLEN	TOS	TOTAL LENGTH		
IOI	ENTIFICA	ATION	FLAGS	FRAGMENT OFFSET	
TIME T	E TO LIVE PROTOCOL HEADER CHECKSUN		ADER CHECKSUM		
		SOURCE IP ADDRESS		ss	
	DESTINATION IP ADDRESS		RESS		
	IP OPTIONS & PADDING		NG		

FIG. 6

	0	1	2	3	4		8	16		24	31
A	0		NE AD	T\ DF	VOR	K		НО	ST ADDRES	S	
В	1	0		ľ	VET	WO	RK	ADDRESS	HOST	AD	DRESS
C	1	1	0					NETWORK AD	DRESS		HOST ADDRESS
D	1	1	1	0				MULTICAST	ADDRESS		
E	1	1	1	1	0 4	/DC	RE	SS RESERVED	FOR FUT	JRE	ŲSE
	Γ		CL	_A	SS				RANGE		-

CLASS		RANG	E
A	0.0.0.0	~	127.255.255.255
В	128.0.0.0	~	191.255.255.255
С	192.0.0.0	~	223.255.255.255
D	224.0.0.0	~	239.255.255.255
•	240.0.0.0	~	247.255.255.255
PRIVATE	10.0.0.0	~	10.255.255.255
ADDRESS	172.0.0.0	~	172.31.255.255
	192.168.0.0	~	192.168.255.255

FIG. 7

NETWORK ADDRESS	MASK	RELAYED-TO LINK ADDRESS	DISTANCE
ADDRESS 1	MASK 1	RELAYED-TO LINK 1	DISTANCE 1
ADDRESS 2	MASK 2	RELAYED-TO LINK 2	DISTANCE 2
ADDRESS 3	MASK 3	RELAYED-TO LINK 3	DISTANCE 3
•••	•••	•••	•••

F I G. 8

INFORMATION NETWORK ADDRESS	RELAYED-TO LINK ADDRESS	DISTANCE
ADDRESS 1	RELAYED-TO LINK 1	DISTANCE 1
ADDRESS 2	RELAYED-TO LINK 2	DISTANCE 2
ADDRESS 3	RELAYED-TO LINK 3	DISTANCE 3
•••	• • •	••• 🛊

F I G. 9

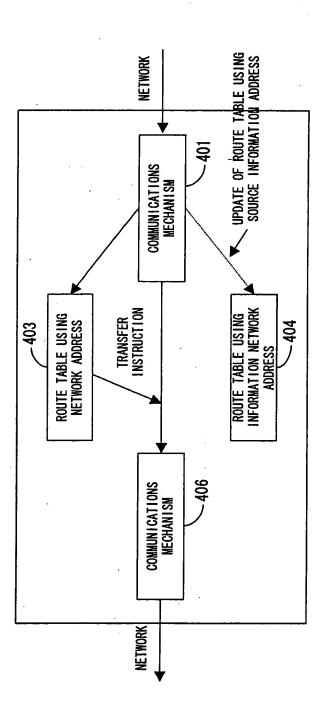


FIG. 10

		!!	
<del>-</del>	UPDATING KOUTE TABLE USING INFORMATION NETWORK ADDRESS FOR INFORMATION ROUTE IN DIRECTION OF LINK → 1 THROUGH WHICH RELAY PACKET IS RECEIVED	INFORMATION ROUTE UPDATING PROCESS	4
NORMAL NETWORK ADDRESS → 1	# T T T T T T T T T T T T T T T T T T T		
INFORMATION NETWORK ADDRESS → 4	CHECKING SOURCE ADDRESS OF RELAY PACKET	SOURCE ADDRESS CHECKING PROCESS	3-2
<u> </u>	UPDATING ROUTE TABLE USING INFORMATION NETWORK ADDRESS AND ROUTE TABLE USING NETWORK ADDRESS AT INSTRUCTION OF MANAGEMENT PACKET	ROUTE UPDATING PROCESS USING MANAGEMENT PACKET	3-1
WHEN RELAY PACKET IS RECEIVED → 3-2	OIL-ONING ALOLIYLD FAURLI	PROCESS	,
WHEN MANAGEMENT PACKET IS RECEIVED → 3-1	CHECKING DECEIVED DACKET	INFORMATION ROUTING	~
	TRANSFERRING PACKET IF POSSIBLE	LAUCESS	
€ 1	DETERMINING OPTIMUM ROUTE	MONITAL NOTIC RELATING	2-5
	SEARCHING ROUTE TABLE USING NETWORK ADDRESS	SNIVA 130 STING IANGON	
	TRANSFER PACKET 1F POSSIBLE		
· •	DETERMINING OPTIMUM INFORMATION ROUTE	PROCESS	1
	SEARCHING ROUIE TABLE USING INFORMATION NETWORK ADDRESS	INFORMATION ROUTE RELAYING	2-1
NORMAL NETWORK ADDRESS → 2-2			
INFORMATION NETWORK ADDRESS → 2-1	CHECKING DESTINATION ADDRESS	PACKET RECEIVING PROCESS	2
RECEIVING MANAGEMENT PACKET  → 3	CHECKING RECEIVED PACKET	PROCESS	-
RECEIVING RELAY PACKET → 2	WAITING FOR RECEPTION OF PACKET	PACKET RECEPTION WAITING	
STATE TRANSITION	CONTENTS OF PROCESS	PROCESS NAME	STEP

FIG. 11